

Appl. No. : Unknown
Filed : Herewith

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

- 1-55. (Cancelled)
56. (New) An implantable device for attracting circulating cells or foreign substances comprising:
a frame configured for attachment to a localized position in a body vessel, and
at least one attractant on the frame,
wherein the attractant is capable of attracting a diseased cell or a foreign substance.
57. (New) An implantable device of claim 56, wherein the frame comprises a member for receiving the attractant.
58. (New) An implantable device of claim 57, wherein the member forms a physical barrier between a cell lining a fluid vessel and the attractant.
59. (New) An implantable device according claim 56, wherein the frame comprises magnetic components.
60. (New) An implantable device according to claim 56, further including one or more of:
an endothelial cell;
an agonist equivalent of an endothelial cell,
a host cell,
an organ cell,
osseous tissue
a biotherapeutic, or
a chemical,
wherein an environment suitable for cell or foreign substance proliferation is created.

Appl. No. : **Unknown**
Filed : **Herewith**

61. (New) An implantable device according to claim 56, wherein the device or a portion of the device is shaped and/or coated to mimic the physiology of body organs.

62. (New) An implantable device according to claim 56, wherein the device or a portion of the device has been modified to enhance its visibility to imaging systems including ultrasound, MRI, X-ray and CT systems.

63. (New) An implantable device according to claim 56, wherein the attractant comprises one or more of:

- a chemokine protein,
- a viral host cell receptor proteins,
- an agonist chemical for stimulating physiological activity at a cell receptor,
- a chemokine agonist,
- a bacterial toxin,
- a foreign chemical substance, and
- a combination of any one of (a) to (f)

and, optionally, wherein the attractant is in combination with a protective substance for protecting the attractant and for extending release.

64. (New) An implantable device according to claim 63, wherein the protective substance is a polymer.

65. (New) An implantable device according to claim 63, wherein the attractant includes a magnetic component, including a ferrous particle.

66. (New) An implantable device according to claim 56, further including a container for containing and dispensing the attractant, and optionally, wherein said containment means dispenses attractant upon activation by an external energy source, said energy source including ultrasonic energy.

Appl. No. : **Unknown**
Filed : **Herewith**

67. (New) An implantable device according to claim 66, further including an attractant replenisher.

68. (New) An implantable device according to claim 56 further including a therapeutic agent.

69. (New) An implantable device according to claim 68, wherein the therapeutic agent comprises a chemical, a medicament, a chemotherapeutic medicament, an ionizing radiation source, and/or a mechanical agent.

70. (New) An implantable device according to claim 69 wherein the mechanical agent comprises a cantilevered beam activatable vibrationally upon application of ultrasound at a resonant frequency.

71. (New) An implantable device according to claim 69 wherein the mechanical agent includes an external energy source, including ultrasound, magnetism, or electricity.

72. (New) An implantable device according to claim 68 wherein the therapeutic agent comprises an immune response stimulator, preferably, including an effective amount of an antigen, an interferon, an chemokine, a lymphokine, or a foreign substance.

73. (New) An implantable device according to claim 68, wherein the therapeutic agent includes a magnetic component, including a ferrous particle.

74. (New) An implantable device according to claim 68, further including a container for containing and dispensing the therapeutic agent, and optionally, wherein the container dispenses therapeutic agent upon activation by an external energy source such as ultrasonic energy.

Appl. No. : **Unknown**
Filed : **Herewith**

75. (New) An implantable device according to claim 68, further including a therapeutic agent replenisher.

76. (New) A method of using the implantable device according to claim 56 as a cellular attractant, a viral attractant, and/or in the treatment of cancer.

77. (New) A method of using of an implantable device, comprising:
removing a quantity of white blood cells from a body;
providing systemic chemotherapy treatment to the body;
deploying a device according to claim 72, within the body for capturing circulating diseased cells;
reintroducing the removed quantity of white blood cells into the body proximate to the device for use in degrading the captured circulating diseased cells.

78. (New) An implantable device for attracting circulating cells or foreign substances comprising:
a frame configured for positioning in a localized position in a body vessel,
at least one attractant on the frame, and
at least one therapeutic agent on the frame,
wherein the attractant is capable of attracting a diseased cell or virus and wherein the therapeutic agent is capable of degrading the diseased cell or virus.

79. (New) A method of attracting circulating cells and foreign substances, comprising:
deploying in a body vessel an implantable device for attracting circulating cells and foreign substances, the device comprising: a frame configured for attachment to a localized position in the body vessel, and
providing at least one attractant proximate to the frame, wherein the attractant is capable of attracting a diseased cell or foreign substance, said attractant optionally bound to the frame.

Appl. No. : **Unknown**
Filed : **Herewith**

80. (New) A method of claim 79, further comprising providing at least one therapeutic agent proximate to the frame, wherein the therapeutic agent is capable of degrading a diseased cell or foreign substance and, optionally, wherein the therapeutic agent is bound to the frame.

81. (New) A method of claim 79, further comprising applying at least one therapeutic agent proximate to the frame, wherein the therapeutic agent is capable of degrading a diseased cell or foreign substance.

82. (New) A method of claim 81, wherein the therapeutic agent is applied by local injection.

83. (New) A method of claim 80, wherein the therapeutic agent is an ionizing radiation source and is directed to a location proximate to the frame.

84. (New) An implantable device according to claim 80 wherein the therapeutic agent includes an external energy source and is directed to a location proximate to the frame, and, optionally, wherein said external energy source is ultrasound, a magnetic source or an electrical source.